



CENTRAL NEVADA INTERAGENCY DISPATCH CENTER 2013 Annual Report



Chestnut Fire 8/21/2013

CENTRAL NEVADA INTERAGENCY DISPATCH CENTER

2013 Annual Report

This report provides documentation of the 2013 fire season on public lands in the Central Nevada Interagency Dispatch Center, administered by the Winnemucca and Battle Mountain Districts of the Bureau of Land Management and the Santa Rosa and Austin-Tonopah Ranger Districts of the Humboldt-Toiyabe National Forest.

Prepared by:

Tina Flodeen 2/19/14

Tina Flodeen
Assistant Center Manager-Intelligence
CNIDC

Reviewed by:

Nancy Ellsworth 2/18/14

Nancy Ellsworth
Center Manager-CNIDC

Approved by:

Mike Feltie 02/17/2014

Mike Feltie
FMO Desert Basin Zone BLM
Santa Rosa Ranger District
Humboldt-Toiyabe National Forests

Approved by:

Doug Crocker 02/18/2014

Doug Crocker
FMO Austin-Tonopah Ranger Districts
Humboldt-Toiyabe National Forests

Central Nevada Interagency Dispatch Center Summary

The Central Nevada Interagency Dispatch Center (CNIDC) encompasses the Battle Mountain and Winnemucca Districts of the BLM and the Santa Rosa and Austin-Tonopah Ranger Districts of the Humboldt-Toiyabe National Forest.

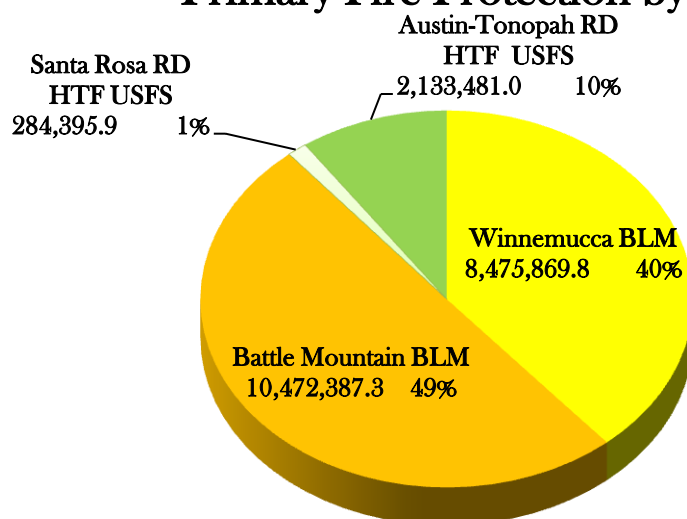
- The Battle Mountain BLM District has primary fire protection responsibility for 10,472,387.3 acres (including 9,816.1 acres of BIA land and 360.1 acres of State land) which accounts for 49% of the total acreage at CNIDC.
- Winnemucca BLM District Office has primary fire protection responsibility for 8,475,869.8 acres (including 39,577.2 acres of BIA land and 70.3 acres of State land) which accounts for 40% of the total acreage at CNIDC.
- Austin-Tonopah USFS Ranger District has primary fire protection responsibility for 2,133,481.0 acres which accounts for 10% of the total acreage at CNIDC.
- Santa Rosa USFS Ranger District has primary fire protection responsibility for 284,395.9 acres which accounts for 1% of the total acreage at CNIDC.



Primary Fire Protection Acres					
Protecting Agency	BLM	USFS	STATE	BIA	TOTAL
Battle Mountain District BLM	10,462,211.10	0	360.10	9,816.10	10,472,387.30
Winnemucca District BLM	8,436,222.30	0	70.30	39,577.20	8,475,869.80
Austin-Tonopah District HTF USFS	0	2,133,481.00	0	0	2,133,481.00
Santa Rosa District HTF USFS	0	284,395.90	0	0	284,395.90
CNIDC TOTAL	18,898,433.40	2,417,876.90	430.40	49,393.30	21,366,134.00

- The BLM and USFS HTF have primary fire protection responsibilities for 21,366,134 acres within CNIDC.
- Primary fire protection for 3,159,038 additional acres belongs to other agencies including BOR, DOD, DOE, FWS and individual counties.
- BLM accounts for the majority of land ownership with 18,898,433.4 acres at 88%.
- USFS HTF accounts for 2,417,876.9 acres at 11%.

Primary Fire Protection by District



The following tables show percentages of total acres by ownership and workload in 2013.

- CNIDC by Agency/Acres

CNIDC Totals by Agency/Acres		
Ownership	# of Acres	% of Total Acres
BLM	18,898,433.40	77%
HTF USFS	2,417,876.90	10%
BIA	49,393.30	0
STATE	430.40	0
PRIVATE	2,974,040.36	11%
TOTAL	24,340,174.36	100%

- CNIDC Workload by Fires/Acres burned by Agency

CNIDC by Workload Fires/Acres Burned				
Ownership	# of Fires	% of Total	# of Acres Burned	% of Total Acres Burned
BLM	90	67%	28,320.35	54%
HTF USFS	16	14%	4,486.02	9%
BIA	1	0	28.50	0
STATE	0	0	0	0
PRIVATE*	26	19%	19,597.35	37%
CNIDC TOTAL	133	100%	52,432.22	100%

* Private workload was determined using threat and assist fires.

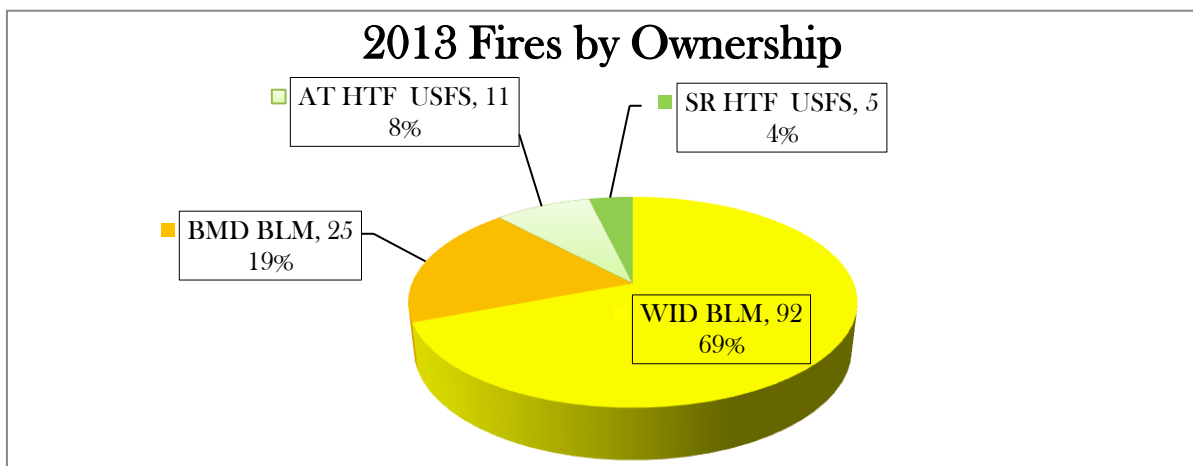
2013 Fire Statistics Summary

- CNIDC had a total of 133 fires for 54,432 acres. The number of fires and acres burned for 2013 in the CNIDC was above the 5 and 10 year averages on the Winnemucca, Santa Rosa, and Austin-Tonopah Districts as seen by the graphs below.
- Battle Mountain was slightly lower from the 5 year average and moderately lower than the 10 year average.

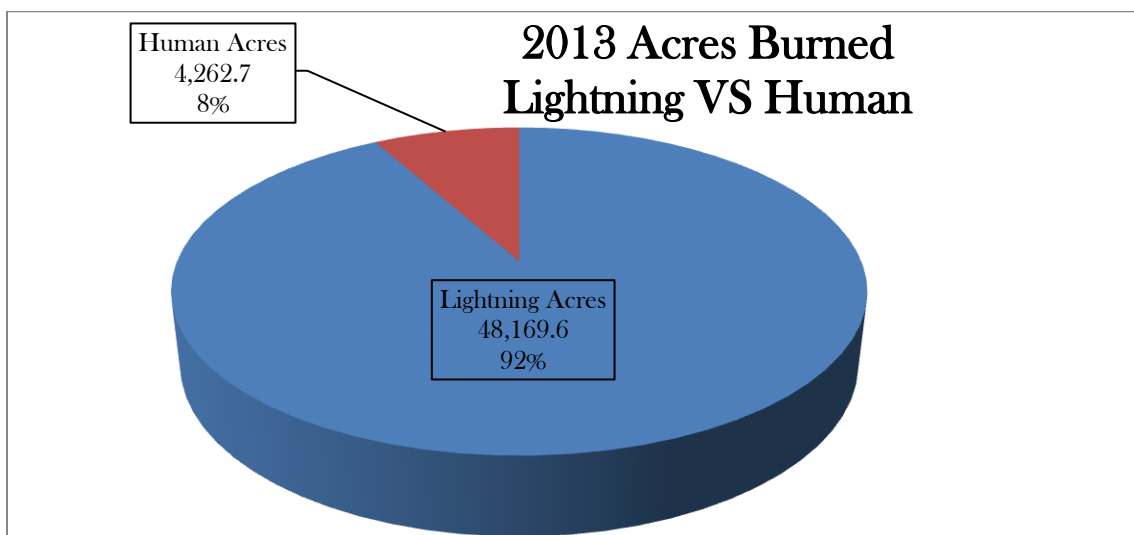
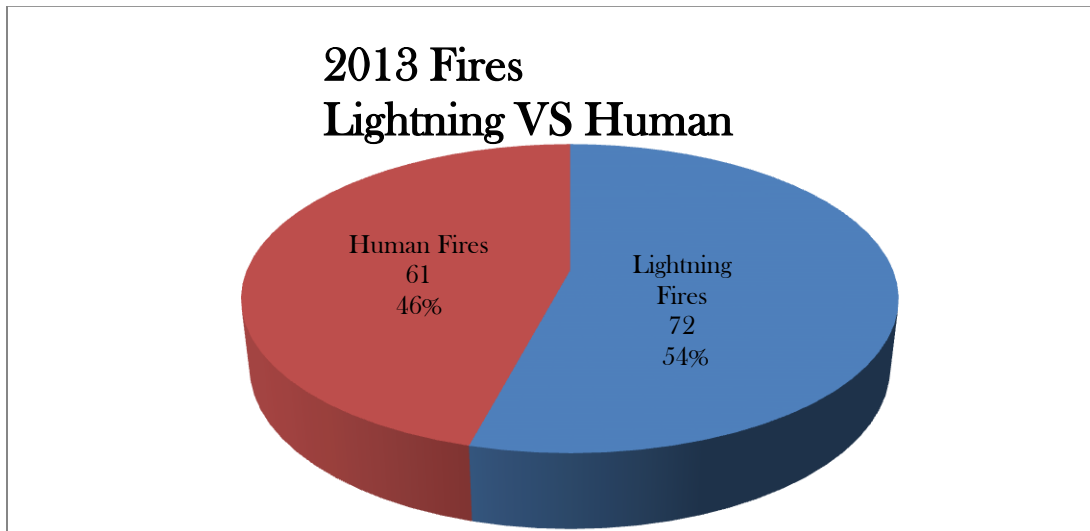
Fire and Acre Averages - 2013, 5 Year, and 10 Year (by protection)				
		2013	5 Year Average	10 Year Average
Battle Mountain District	Fires	25	28	35
	Acres	7,692.43	5,453.43	18,664.02
Winnemucca District	Fires	92	65	71
	Acres	40,153.77	91,855.42	68,931.29
Santa Rosa Ranger District	Fires	5	2	1
	Acres	483.72	2,080.94	1,040.47
Austin - Tonopah Ranger District	Fires	11	7	7
	Acres	4,102.30	844.53	515.19
CNIDC Totals	Fires	133	102	114
	Acres	52,432.22	100,234.32	89,150.97

**Note: Fires and acres reported include all fires and acres on agency owned and protected lands. They also include county assists that CNIDC fire units respond to.*

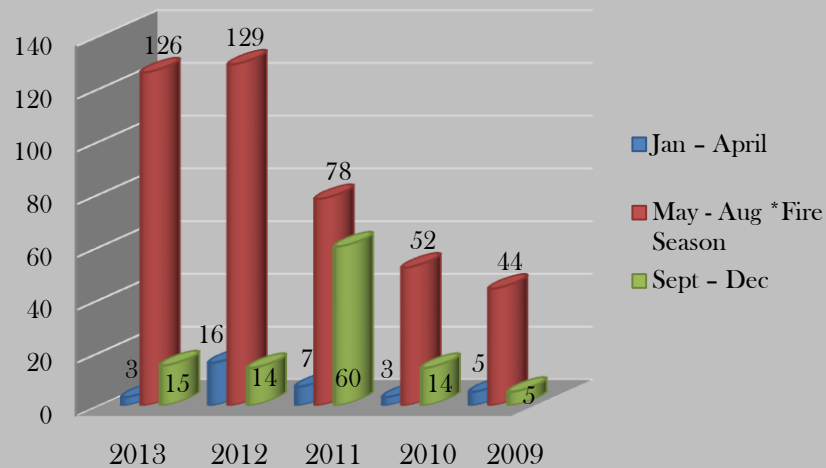
- In 2013, Winnemucca District BLM hosted 92 fires or 69%, the majority of the fires on CNIDC.
- The Battle Mountain District BLM hosted 25 fires or 19%.
- The Santa Rosa Ranger District of the Humboldt-Toiyabe NF hosted 5 fires or 4%.
- The Austin-Tonopah Ranger Districts of the Humboldt-Toiyabe NF hosted 11 fires or 8%.



- In 2013, human caused fires made up 46% of the total number of fires and burned only 8% of the total acres, while lightning caused 54% of the total number of fires and burned 92% of the acreage.

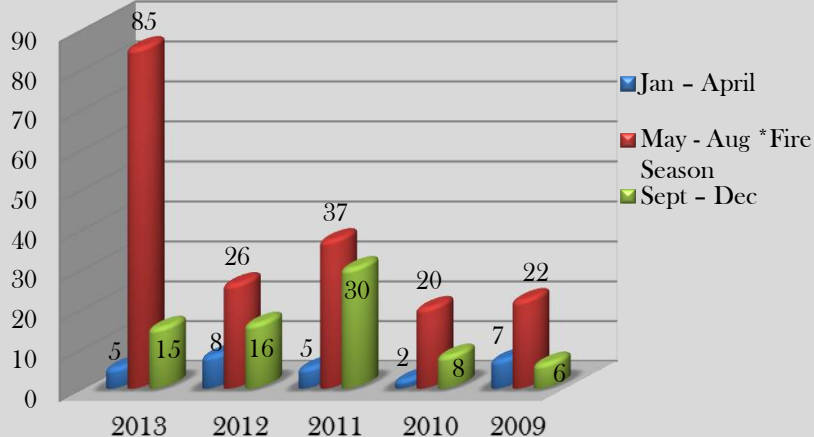


Wildfires Off Season VS Fire Season



This graph shows a slight decrease in the number of fires overall from 2012 to 2013. There were fewer early season fires in 2013.

False Alarms Off Season VS Fire Season



This graph shows a few early season False Alarms and an increase in False Alarms during the Fire Season.

- Central Nevada Interagency Dispatch Center (CNIDC), Winnemucca BLM District Office (WID), Battle Mountain BLM District Office (BMD), Humboldt-Toiyabe National Forest (HTF), and neighbors provided initial attack services to neighboring districts with interagency cooperation and utilization of closest forces.
- This year resources from BMD provided assistance to Elko BLM District (EKD) with 3 IA responses. WID provided 1 IA response to the Burns BLM District in Oregon.
- While the Sierra Front BLM/USFS (SFC) responded to 2 IA fires on the WID District.

Large Fires

- In 2013, CNIDC had 12 large fires in contrast to 2012, which had 26 large fires.

*Local Large Fire Activity				
<i>FIRE NAME</i>	<i>Acres</i>	<i>Jurisdiction</i>	<i>Date</i>	<i>Cause</i>
Ferguson	1093	BLM	06/09/2013	Lightning
Porcupine	530	BLM/USFS	06/09/2013	Lightning
Willow Creek	4028	BLM	06/29/2013	Lightning
Goat Peak	1990	BLM/PVT	06/30/2013	Lightning
Cyanco	882	BLM	07/01/2013	Lightning
Crescent Dune	36,372	BLM/PVT	07/01/2013	Lightning
Cosgrave	556	BLM/PVT	07/02/2013	Lightning
Dun Glen	336	BLM/PVT	07/03/2013	Lightning
Raspberry	685	BLM/PVT	07/03/2013	Lightning
Hinkey	317	USFS	08/07/2013	Lightning
Chestnut	3909	USFS	08/18/2013	Lightning
Spanish Gulch	570	BLM	08/18/2013	Lightning

**Note: Large fires are defined as >100 acres in timber and >300 acres in grass/sage.*

Prescribed Fire Accomplishments

- WID BLM did not conduct any prescribed fire projects in 2013.
- BMD BLM conducted 2 prescribed fire projects in 2013 for 216 acres.
- Austin Ranger District USFS conducted 1 prescribed fire for 1 acre in 2013.
- Santa Rosa District USFS did not conduct any prescribed fire projects in 2013.

Central Nevada Zone Resource Mobilization Summary

2013 Local Incidents Orders Created by CNIDC						
	Filled By CNIDC	Filled By other Center	UTF'd	Cancelled	Deleted	Total
Overhead	217	203	26	92	6	544
Aircraft	164	111	39	30	1	345
Aircraft Sub.	100	87	0	1	0	188
Crews	20	60	15	20	0	115
Crew Sub.	294	662	0	1	0	957
Equipment	402	119	21	70	30	642
Equipment Sub.	916	210	7	22	1	1,156
Supplies	1,474	19	11	93	254	1,851
Total	3,587	1,471	119	329	292	5,798

CNIDC employees created 5,798 orders for local incidents. CNIDC filled 3,587 and 1,471 were filled by other centers.

2013 Non-Local Incident Orders Processed by CNIDC					
	Filled w/Local Resources	Filled w/Non-Local Resources	Total Filled by CNIDC	UTF'd	Total Processed
Overhead	85	43	128	200	328
Aircraft	0	126	126	9	135
Aircraft Sub.	0	44	44	0	44
Crews	0	19	19	0	19
Crew Sub.	1	271	272	0	272
Equipment	56	52	108	30	138
Equipment Sub.	109	102	211	0	211
Supplies	59	0	59	7	66
Total	310	657	967	246	1,213

There were a total of 1,213 Non-Local Incident Orders processed by CNIDC.

2013 Local Incident Orders Unable to Fill (UTF'd)			
Aircraft		Crews	
Heavy	12	Type1	
SEAT	4	Type 1 or 2 any	4
Helicopter	1	Type 1 or 2 IA	1
Air Attack	4	Type 2 IA	0
Jumpers	1	Type 2	1
Other	9	Other	0
TOTAL Aircraft 31		TOTAL Crews 6	
Equipment		Top 5 Overhead	
Engine T3, 4, 5, or 6	6	DRIV	
Dozers	0	CREP	
Water Tender	0	EMTI	
Other	12	EMTP	
		THSP	
TOTAL Equipment 18		TOTAL Overhead 28	
TOTAL CNIDC Local incident orders Unable to Fill (UTF'd) 83			

**Totals do not include supplies.*

2013 National Incident Orders UTF'd by CNIDC			
Aircraft		Crews	
Heavy	3	Type1	0
SEAT	2	Type 1 or 2 any	0
Helicopter	0	Type 1 or 2 IA	0
Air Attack	3	Type 2 IA	0
Jumpers	1	Type 2	0
Other	0	Other	0
TOTAL Aircraft 9		TOTAL Crews 0	
Equipment		Top 5 Overhead	
Engine T3, 4, 5, or 6	14	FFT2	
Dozers	0	FFT1	
Water Tender	4	FALB	
Other	12	ENGB	
		CRWB	
TOTAL Equipment 30		TOTAL Overhead 200	
TOTAL CNIDC National Incident Orders Unable to Fill (UTF'd) 239			

**Totals do not include supplies.*

2013 Tactical Equipment Available for Assignment		
Unit/Agency	Equipment Type	Amount
Winnemucca BLM	Engine T-4	8
	Engine T-6	1
	Engine T-3	3
	Dozer T-2	2
	Water Tender T-2	2
Austin-Tonopah	Engine T-7	1
Battle Mountain	Engine T-4	4
	Engine T-6	1
	Dozer T-2	1
	Water Tender T-2	1
Contract Equipment (All)	Engine T4, T5	2
	Engine T-6	2
	Fuel Tender T-3	0
	Grey Water Truck T-2	2
	Potable Water Truck T-2 & T-3	2
	Dozer T-1	4
	Dozer T-2	7
	Water Tender Support Type 2	6
	Hand Washing	1
	Mechanic w/truck	1
	Portable Toilet	3
	Commo. Trailers	1

CNIDC had 24 pieces of agency equipment available for assignments.

There were 29 pieces of contract equipment available for assignments.

- 180 non-local overhead orders were filled with agency resources and 17 were filled with AD hires.
- 871 local overhead orders were filled with agency resources and 41 were filled with AD hires.

Non Local Overhead Orders Filled by Agency & AD's						Local Overhead Orders Filled by Agency & AD's					
	Aircraft Subordinates	Crew Subordinates	Equipment Subordinates	Overhead	TOTAL		Aircraft Subordinates	Crew Subordinates	Equipment Subordinates	Overhead	TOTAL
BMD BLM	0	0	36	19	55	BMD BLM	0	0	106	38	144
WID BLM	0	0	70	47	117	WID BLM	0	0	620	100	720
AT HTF USFS	0	0	0	0	0	AT HTF USFS	0	0	0	4	4
SR HTF USFS	0	0	0	8	8	SR HTF USFS	0	0	0	3	3
AD	0	1	5	11	17	AD	0	0	12	29	41
TOTAL	0	1	111	85	197	TOTAL	0	0	738	174	912

- 56 non-local orders for equipment orders were filled by CNIDC with agency and contract resources.
- 331 local orders for equipment were filled by CNIDC with agency and contract resources. Winnemucca District filled 245; Battle Mountain District filled 58; Austin-Tonopah filled 1; and contractors filled 27.

Non Local Incident Equipment Orders Filled by Agency and Contract Resources	Engine	Water Tender Tactical	Water Tender Support	Water Tender Potable	Dozer	TOTAL	Local Incident Equipment Orders Filled by Agency and Contract Resources	Engine	Water Tender Tactical	Water Tender Support	Water Tender Potable	Dozer	TOTAL
BMD BLM	10	0	3	0	4	17	BMD BLM	40	0	8	0	10	58
WID BLM	18	0	2	0	2	22	WID BLM	174	0	35	0	36	245
AT HTF USFS	0	0	0	0	0	0	AT HTF USFS	1	0	0	0	0	1
SR HTF USFS	0	0	0	0	0	0	SR HTF USFS	0	0	0	0	0	0
Contractor	7	0	10	0	0	17	Contractor	11	0	7	1	8	27
TOTAL	35	0	15	0	6	56	TOTAL	226	0	50	1	54	331

Central Nevada Interagency Dispatch Functional Areas Summary

CNIDC was open 0600 to 1800, 7 days a week from June through October and extended as needed for incident support. From November through May CNIDC was open 0730 to 1700, Monday-Friday, excluding holidays, with extended hours as needed.

CNIDC EMPLOYEES			
Employee	Position	Status	Agency
Nancy Ellsworth	Center Manager	PFT	BLM
Kim Karalus	Asst. Center Manager-Operations	PFT	BLM
Tina Flodeen	Asst. Center Manager-Intelligence	PFT	USFS
Tim Virag	Senior Dispatcher	PFT	BLM
Bryan Granath	Dispatcher	CS	BLM
Melanie Martinez	Dispatcher	CS	BLM
Lisa Walker	Dispatcher	CS	BLM
April Cook	Dispatcher	CS	BLM
Ryan Swensen	Dispatcher	Seasonal	BLM
Shelby Ruff	Dispatcher	Seasonal	BLM
Stephanie Nolan	Dispatcher	Seasonal	BLM
Kayla Doyle	Dispatcher	Seasonal	BLM

- April Cook and Tim Virag split a 120 day detail to the Western Great Basin Coordination Center (WGBCC) as a Logistics Coordinator.
- Bryan Granath served on a Type 2 Incident Management Team (IMT) as Communications Unit Leader.
- Three temp seasonal dispatchers returned this year, Shelby Ruff, Ryan Swensen, and Kayla Doyle. CNIDC's new temporary seasonal employee this year was Stephanie Nolan.

CNIDC EMPLOYEE ASSIGNMENTS and DETAILS			
Employee	Position	Dates	Agency
Nancy Ellsworth	CORD	06/26/13–07/11/13	AK-ACC
	MAC Group Coordinator(t)	08/11/13–08/27/13	UT-EBC
Tina Flodeen	IADP	09/02/13–09/12/13	NM-SNF
Kim Karalus	EDSP	07/17/13–07/28/13	NV-DVT
Bryan Granath	COML	07/06/13-07/15/13	NV-WNA
		08/02/13-08/18/13	ID-SCF
		08/30/13-09/08/13	ID-PAF
Melanie Martinez	EDSD	07/31/13–08/14/13	ID-FCF
Lisa Walker	IADP	08/29/13–06/18/13	AZ-TNF
Kayla Doyle	EDRC	04/22/13–05/10/13	NV–WBC
	EDSD(t)	06/17/13–06/30/13	NM-SNF
Ryan Swensen	EDSD(t)	06/25/13–07/10/13	CO-RMP

- CNIDC employees had the opportunity to go out on various assignments in 2013. Nancy Ellsworth participated with the GMAC Group as a Coordinator (t). Kayla Doyle and Ryan Swensen went out on their very first assignments as EDSD (t).

LOCAL AGENCY/AD ASSISTANCE		
Employee	Position	Agency
Tina Espinola	EDRC(t)	CNIDC
Teri Oroz	EDRC(t)	CNIDC
Phil D'amo	EDRC(t)	CNIDC
Lisa Kemper	IADP(t)	CNIDC

NON-LOCAL DETAILERS		
Employee	Position	Agency
Tina Southall	ACDP	VA-RCC
Brenda Logsdon	ACDP	ID-CIC
Jenny Vigil	EDRC	NM-ABC
Natalie Robison	EDRC	NM-ABC
Norma Smokey	EDSD	NV-SFC
Gary Cones SR	EDSD	CA-STCC
William Sullivan	EDSD	NV-EIC
Emil Magallanes	EDSP	ID-BDC
Jodi Jenkins	IADP	NV-EIC
John Bruce	IADP	PA-DWPC

Aircraft

- All flights originating from CNIDC and all flights involving agency personnel require the staff at CNIDC to coordinate detailed planning and communications with agency personnel and military organizations. The planning and coordination provides permission to utilize military airspace and helps to ensure safe flights by identifying aerial hazards and establishing communication channels.
- A small number of CNIDC employees had an opportunity to start training on the aircraft desk.
- The aircraft desk at CNIDC supported 52 tactical aircraft for use on wildland fires. Ordering procedures require each aircraft to have a resources order for every fire assignment. 277 orders were processed to utilize these aircraft.

Individual Aircraft supported by CNIDC	
Heavy Airtankers	6
SEAT	10
ASM	4
Lead	1
Air Attack	12
Recon Fixed Wing	1
Jump	3
Heavy Helo	1
Medium Helo	2
Light Helo	12
Total	52
Aircraft Projects on District	
WH&B	5
Repeater	1
Misc.	5
Total Projects	11

Logistics

- CNIDC, WID, and BMD hosted prepositioned resources in 2013. Prepositioned resources were immediately available to the districts for IA and Extended Attack.
- Expanded Dispatch was opened once this year and supported the Type 2 Chestnut and Type 3 Spanish Gulch Fires.
- CNIDC supported - 10-Type 3 and 1-Type 2 fires.
- CNIDC utilized and tested the new supply catalog in ROSS.

Intelligence

- CNIDC participated in several conference calls and coordination meetings throughout the summer to stay up to date with issues affecting CNIDC and neighboring centers. The NV operations call was conducted as necessary. Attendees included Western Great Basin, NV Center Managers, and NV Fire Management Officers.
- All fires for 2013 have been entered into WildCAD, BLM 1202, WFDSS, FireCode, Incident Tracker, the Fire Number Spreadsheet, FIRESTAT and ROSS.
- Continued to improve the Electronic Morning Intelligence Report (EMIR).
- Began testing a new SIT/209 reporting system.

Initial Attack

- All CNIDC employees were able to work the Winnemucca and Battle Mountain I/A Desks.
- Generated requests for detailers to fill in when fire activity was heavy.
- Performed simulated medical incidents with field personnel. This in turn resulted in a new Medical Incident Form.
- All employees participated in WildCAD training during seasonal orientation. The training focused on improved functionalities of Version 5.0.7.

GIS

- CNIDC was able to utilize the new wall maps for the 2013 fire season.
- CNIDC is continuing to use the Values at Risk Project to identify values at risk that may be considered during the initial response and attack phase along with a consultation from a Resource Advisor (READ). This project has proven to be a valuable tool for IA, Fire Reporting and Law Enforcement.
- Received an updated Aircraft Deconfliction map.
- WildCAD map was updated to include detailed retardant go-no-go areas and the FMU's to match new run cards.

RADIOS

- CNIDC plays an important role in identifying problems with the radio system and equipment designed to provide employees with the ability to maintain routine and emergency communications while in the field.
- The staff at CNIDC identified and reported 5 radio issues this year and supported personnel in the process of repairing or replacing equipment.

FACILITIES

- The CNIDC building is owned by the City of Winnemucca and leased by the BLM. The staff at CNIDC maintains the property including lawn and landscaping maintenance.
- The Expanded Dispatch trailer water system was put into place by Curtis Machinery.
- CNIDC purchased consoles for the two I/A desks and the two aircraft desks. These consoles allow the user to sit or stand for dispatching purposes; the consoles are more ergonomically designed and should be a great benefit to the CNIDC office for years to come. These new desks were installed in the month of December 2013.
- New Carpet was also installed in the month of December of 2013.
- CNIDC received and is utilizing a new WildCAD server and a new photo copy machine.
- All workstations at CNIDC now run dual monitor displays.
- Voice Over IP (VOIP) phone system is now up and running
- CNIDC is also testing a new recorder for radio broadcasts recordings.

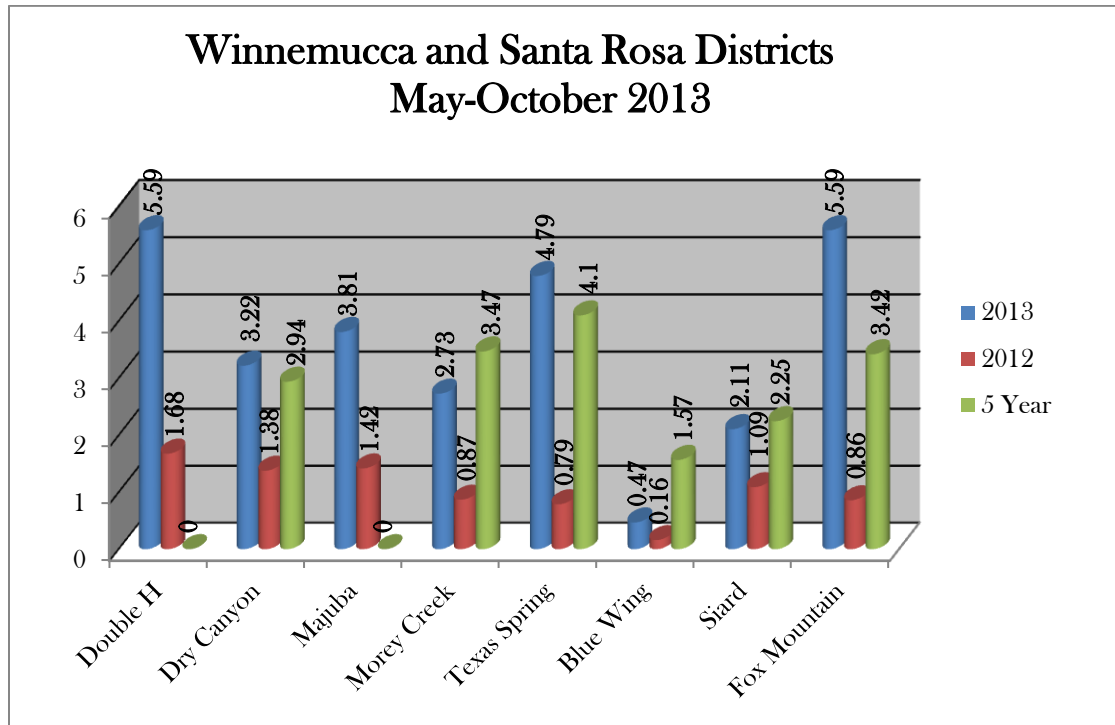
Precipitation

- CNIDC maintains 17 Remote Automated Weather Station (RAWS).
- The Double H, Majuba, and Buddy Adams RAWS stations were installed in the summer of 2009, so data prior to the installation and 5 year averages are not available at this time.

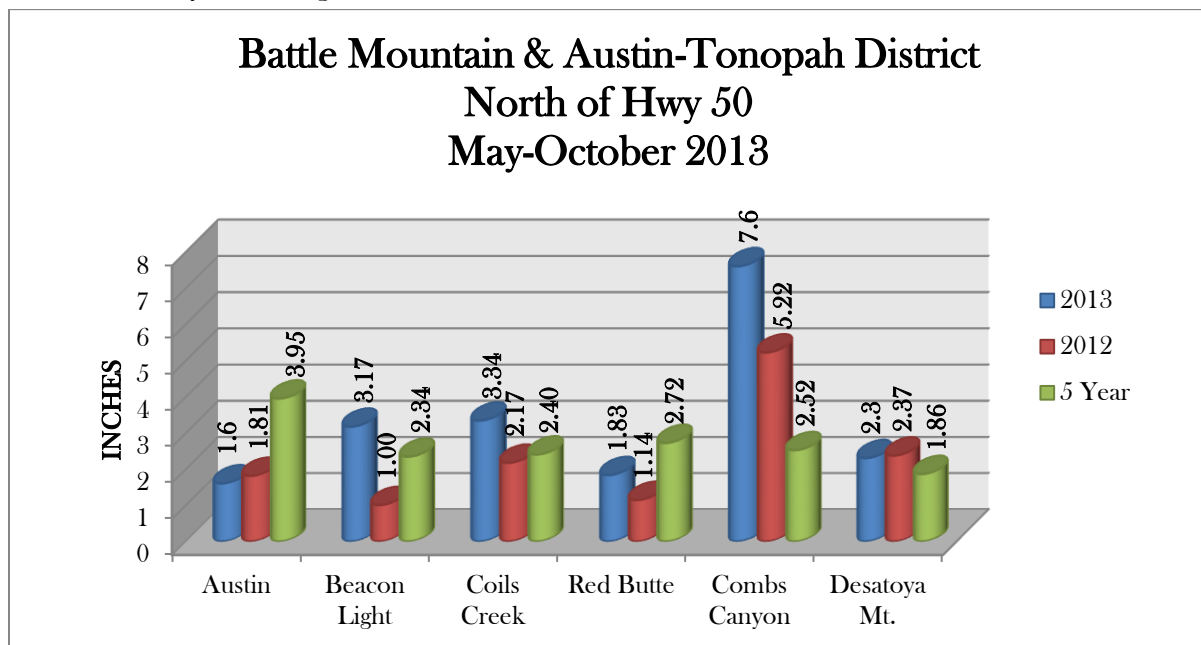
Precipitation Averages (in inches)			
May-October			
WINNEMUCCA and SANTA ROSA DISTRICTS			
<i>Weather Station</i>	<i>2013</i>	<i>2012</i>	<i>5 year</i>
Double H 260207	5.59"	1.68"	N/A
Dry Canyon 260203	3.22"	1.38"	3.02"
Majuba 260208	3.81"	1.42"	N/A
Morey Creek 260204	2.73"	0.87"	3.54"
Texas Spring 260206	4.79"	0.79"	4.52"
Blue Wing 260202	0.47"	0.16"	1.42"
Siard 260402	2.11"	1.09"	2.28"
Fox Mountain 260110	5.59"	0.86"	3.79"
BATTLE MOUNTAIN and AUSTIN-TONOPAH DISTRICTS (North of HWY 50)			
<i>Weather Station</i>	<i>2013</i>	<i>2012</i>	<i>5 year</i>
Austin 260501	2.72"	1.81"	3.76"
Beacon Light 260505	3.17"	1.00"	2.70"
Coils Creek 260603	3.34"	2.17"	2.97"
Red Butte 260504	1.83"	1.14"	2.53"
Combs Canyon 260601	7.60"	5.22"	3.89"
Desatoya Mt. 260503	2.30"	2.37"	2.02"
BATTLE MOUNTAIN and AUSTIN-TONOPAH DISTRICTS (South of HWY 50)			
<i>Weather Station</i>	<i>2013</i>	<i>2012</i>	<i>5 year</i>
Buddy Adams 261408	2.06"	3.87"	N/A
Quima Peak 260810	2.06"	5.58"	3.93"
Pancake 261404	2.92"	4.97"	2.81"

- Overall, CNIDC received more precipitation in 2013 compared to 2012.
- The Winnemucca and Santa Rosa Districts precipitation for 2013 was considerably more than 2012 and the 5 year average.

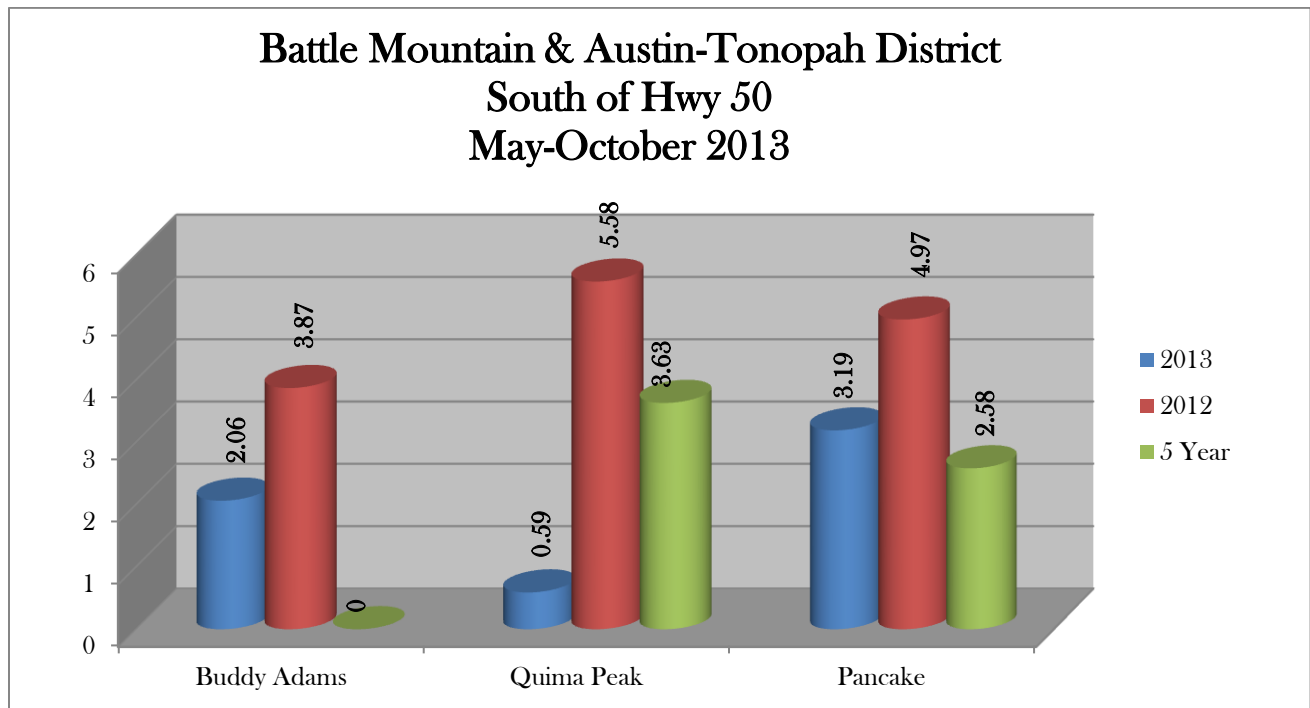
- 5 out of the 8 RAWS stations in the Winnemucca and Santa Rosa Districts showed an increase in precipitation in 2013 as compared to 2012.
- 3 out of the 8 RAWS stations in the Winnemucca and Santa Rosa Districts showed the 5 year average increase over the same 6 month period.



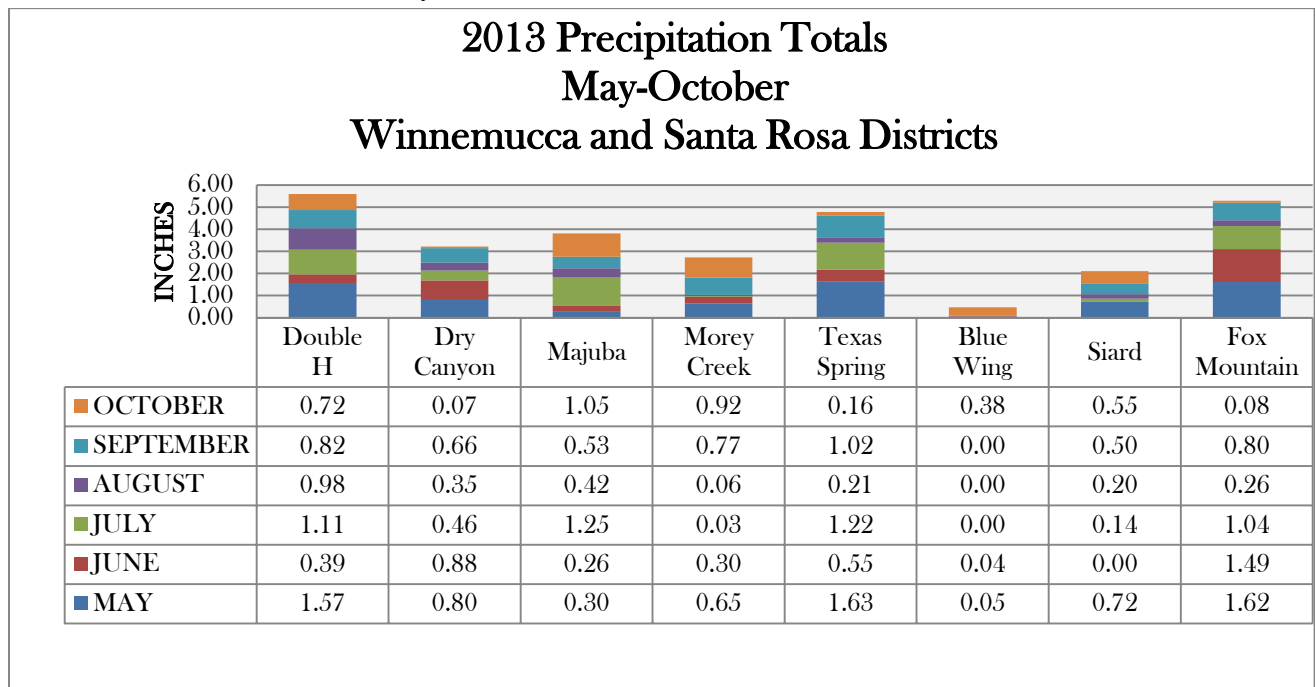
- 4 of the 6 RAWS stations in the Battle Mountain & Austin-Tonopah Districts, North of Hwy 50 received more precipitation in 2013 than in 2012.
- The 5 year average was lower in 4 out of the 6 RAWS stations.



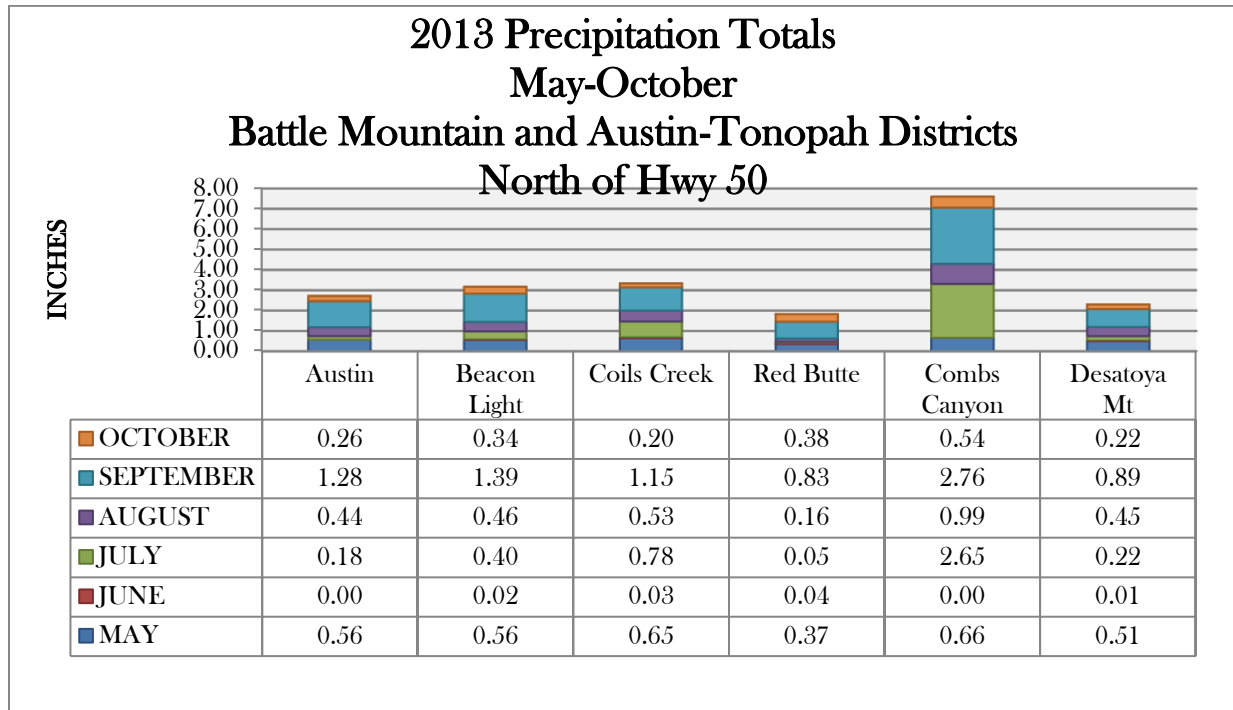
- The 3 RAWS stations in the Battle Mountain and Austin-Tonopah District, South of Hwy 50 had a decrease in precipitation from 2012 to 2013.
- The 3 RAWS stations 5 year averages were in a decrease overall.



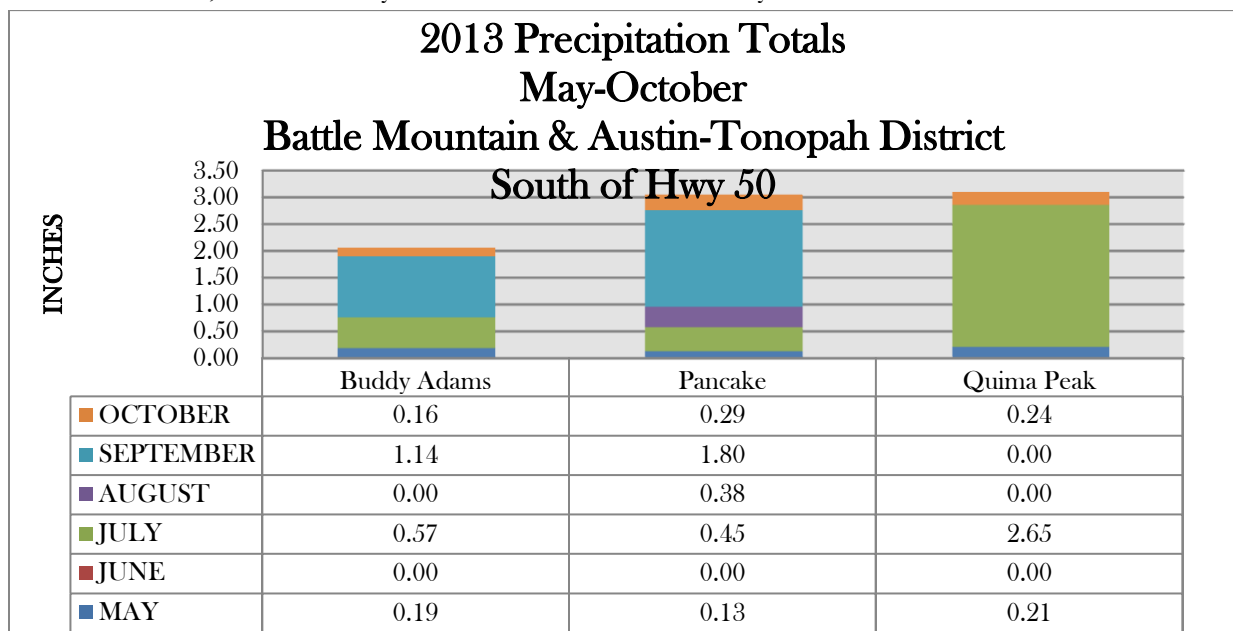
- May of 2013 received more precipitation overall in the six months with 5.72". July 2013 received 5.25" and September received 5.10".
- There was a total of 28.01" of precipitation for all Winnemucca and Santa Rosa Districts RAWS stations from May thru October 2013.



- The most precipitation was recorded in September 2013 with 8.30”, followed by July 2013 with 4.28” and May with 3.31”.
- There was a total of 20.96” of precipitation for all Battle Mountain and Austin-Tonopah Districts north of Hwy 50 RAWS stations from May thru October 2013



- Precipitation for the Battle Mountain and Austin-Tonopah Districts South of Hwy 50, in July 2013 received 3.67” and in September received 2.94”.
- There was a total of 8.21” of precipitation for all Battle Mountain and Austin-Tonopah Districts, south of Hwy 50 RAWS stations from May thru October 2013.



2013 Fire Season Summary

Winter (December 2012 – February 2013)¹

- A neutral El Nina-Southern Oscillation (ENSO) pattern dominated the 2012-2013 winter months of December through February. This three month period was colder than normal across most of the Southwestern quarter of the nation.
- Winter precipitation was generally below normal in the West. Most of the western two-thirds of the U.S. remained in moderate to severe drought with extreme to exceptional drought conditions over much of the interior West.

Spring (March – May)

- ENSO continued near neutral through the spring months (March – May) but other global circulations contributed to extremes in both temperature and precipitation across the U.S. Dry and warm conditions continued in the West.
- Temperatures were above normal for most of the West.
- In the West, Storms largely by-passed much of the region, leaving very dry conditions.
- Snowpack conditions at the start of May painted a very stark picture for water supplies across the West. Much of the West had less than 50 percent of normal snowpack and much of Nevada was snow free by May 1st.

Summer (June – August)

- The summer (June – August) pattern over the United States was largely dominated by a ridge over much of the western U.S. and temperatures were above normal over the West. In all, 12 states ranked among their warmest summers in 119 years including Nevada (sixth warmest).
- The summer started very dry for much of the West but a very active monsoon quickly brought significant rains to the Southwest.
- Drought continued across much of the western U.S., increasing in areal coverage.

Fall (September – October)

- September ushered in a large pattern shift that brought a series of troughs to the western U.S. Persistent southerly flow across the West kept temperatures warm over the western two-thirds of the country.
- Eight other states in the West experienced among their ten wettest Septembers on record, Nevada being one of them (sixth wettest).

¹ National Interagency Coordination Center -2013 Fire Season Summary, (data current through October 2013)

Drought Monitor Images

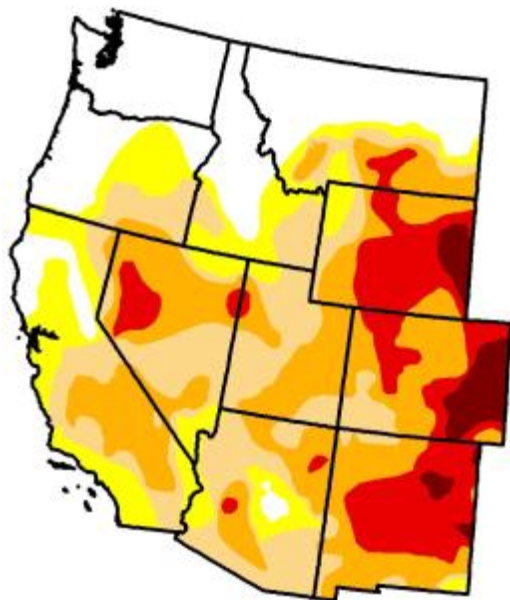


Figure 1—March 21, 2013

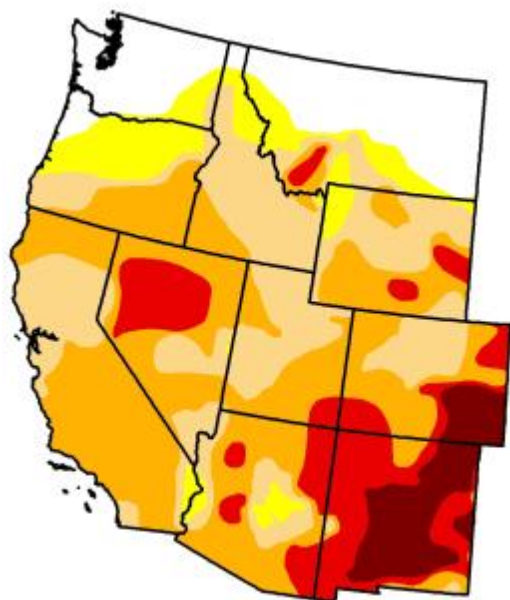


Figure 2 –June 18, 2013

Figure 1 and Figure 2--
differences in drought
conditions from March, 21,
2013 to June 18, 2013, the
state of Nevada moved from
a mostly severe drought to a
moderate extreme drought.

Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

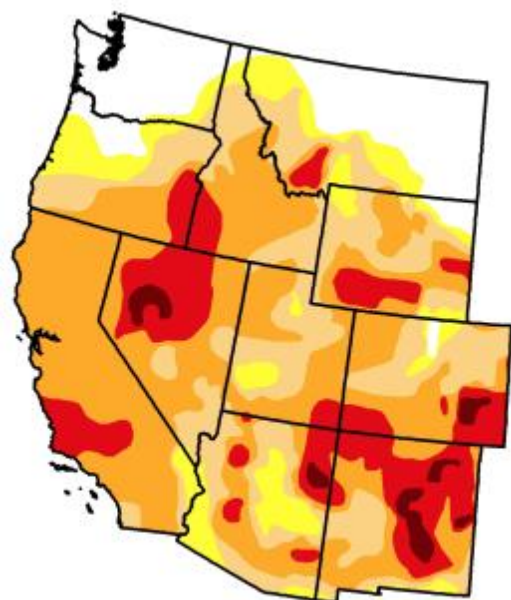


Figure 3—Drought conditions increased in September 03, 2013 to a mostly extreme/exceptional state.

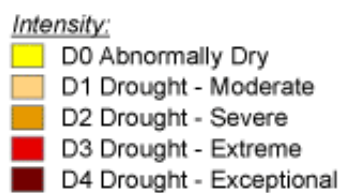


Figure 3—September 03, 2013